

WHAT IS CLAIMED IS:

1. An abrasive pad for abrading a surface to be abraded in the presence of an abrasive solution, the abrasive pad comprising a hydrophobic polymer constituting a base material, wherein a graft-polymer chain having a hydrophilic group is introduced into the surface of the hydrophobic polymer.
2. The abrasive pad according to claim 1, wherein the hydrophilic group possessed by the graft-polymer chain is preferably a nonionic hydrophilic group selected from the group consisting of hydrophilic groups having an N-monoalkyl substituted structure and hydrophilic groups having an N-dialkyl substituted amide group.
3. The abrasive pad according to claim 1, wherein an amount of the hydrophilic graft-polymer chain introduced into the base material is preferably 10.0% to 150.0% in terms of graft ratio.
4. The abrasive pad according to claim 2, wherein an amount of the hydrophilic graft-polymer to be introduced into the base material is preferably 10.0% to 150.0% in terms of graft ratio.
5. The abrasive pad according to claim 1, wherein the base material comprises a polymer selected from the group consisting of a polyolefin-type polymer, an aryl-type polymer, a diene-type polymer, a silicone-type polymer and a fluorine-type polymer.

6. The abrasive pad according to claim 1, wherein the graft-polymer chain having a hydrophilic group has a molecular weight M_w ranging from 500 to 5,000,000.
7. The abrasive pad according to claim 1, wherein the graft-polymer chain having a hydrophilic group has a molecular weight M_w ranging from 1,000 to 1,000,000.
8. The abrasive pad according to claim 1, wherein the graft-polymer chain having a hydrophilic group has a molecular weight M_w ranging from 2,000 to 500,000.
9. The abrasive pad according to claim 1, having a thickness of 0.2 to 30 mm.
10. The abrasive pad according to claim 1, having a thickness of 0.3 to 10 mm.
11. The abrasive pad according to claim 1, having a thickness of 0.5 to 3 mm.
12. The abrasive pad according to claim 1, further comprising a cushion layer under an abrasive layer made of a hydrophobic polymer as the base material.

13. The abrasive pad according to claim 12, the cushion layer comprises a material selected from the group consisting of a nonwoven fabric impregnated with a resin, an elastomer, a foam elastic material and a foam plastic.

14. The abrasive pad according to claim 12, wherein the cushion layer has a thickness in the range of 0.1 to 100 mm.

15. The abrasive pad according to claim 12, wherein the cushion layer has a thickness in the range of 0.2 to 5 mm.

16. The abrasive pad according to claim 12, wherein the cushion layer has a thickness in the range of 0.5 to 2 mm.